



Climate change is causing extreme, extended heat spells; both flooding and droughts across the country and other extreme weather events including larger and hotter forest fires, more severe hurricanes, and winter storms. The landscape implications of climate change will threaten farming practices and crop yields as well as job stability and the long-term security of our food supply. There are a wide range of human health and safety and mental health threats that are posed by the impacts of climate change, of which health professionals are well aware.

Nurses are the most trusted sources of health information to the American public and live in virtually every community. We are in hospitals, clinics, schools, workplaces, nursing homes, and we are members of most American families. In 2016, nursing organizations signed a Joint Commitment Statement on Climate Change and Health, recognizing the need for nursing leadership in helping our patients, our communities, and our health care institutions to engage in necessary climate change mitigation activities and in preparing for the inevitable effects of climate change. Since that statement, nurses and nursing organizations have advanced the following priorities:

- Educating ourselves about the health impacts of climate change and staying up to date on the latest peer-reviewed research from subject matter experts.
- Informing our patients and their families and the communities we serve about climate change, the associated health effects, and ways in which to mitigate and respond to climate change.
- Collaborating with communities to respond and prepare for climate change-related emergencies.
- Promoting greenhouse gas reductions efforts across healthcare systems, clinics, and other health institutions.
- Advancing integration of climate change and health, including mitigation, adaptation, and resilience in nursing schools, colleges and universities.
- Utilizing our professional expertise within our communities and through our nursing organizations in policy arenas at the local, state, and national level to advocate for policies and standards that reduce greenhouse gas emissions, protect communities, and ensure just and equitable distribution of resources for those who are disproportionately affected by climate change impacts.
- Advancing research agendas that address the impacts of climate change through nursing interventions.

We recognize that the climate health emergency demands widespread action and collaboration. This unity, cooperation, and support from the Biden Administration and all relevant offices will serve us well in protecting the health of all Americans. Our organizations call for continued support from the Biden Administration and federal agencies in protecting the public's health through the following actions:

- Declare climate change a public health emergency

According to the World Health Organization,<sup>1</sup> climate change is impacting human lives and health in a variety of ways with the potential to undermine decades of progress in global health. Globally and nationally, climate change threatens clean air, safe drinking water, food supplies and safe shelter. According to the Environmental Protection Agency,<sup>2</sup> every person living in the United States faces a risk of health impacts associated with climate change. Moreover, some people face higher risks due to differences in the hazards to which they are exposed, their sensitivity to these hazards, and their ability to adapt. We ask that the Biden Administration use all the tools available to rise to the urgency of this moment, declaring a climate emergency.

- Cut climate pollution 50% by 2030

In order to meet the urgency of the moment, nurses and environmental health advocates insist that the Biden Administration enact intentional and measurable efforts to decrease our dependence on fossil fuels while transitioning to a cleaner energy economy utilizing renewable energy sources.

- Enact cleaner car standards and transition to zero emission vehicles

The Biden Administration has an opportunity to protect public health and fight the climate crisis with strong long-term clean car standards. With the transportation sector being the largest source of greenhouse gases in the United States, the EPA must move swiftly to enact the strongest possible long-term clean car standards to clean our air, keep Americans healthy, and combat the climate crisis through 100% zero emission vehicles by 2035.

- Ensure Justice40 implementation is meeting stated goals

The Biden Administration has committed to returning 40% of the overall benefits of certain federal investments to disadvantaged communities that are marginalized, underserved, and overburdened by pollution. With the funding committed through this initiative and the Inflation Reduction Act, evaluation and feedback processes must be in place to ensure that Justice40 goals are being met and funds are reaching those most adversely impacted by pollution.

- Mandate active decarbonization efforts across health systems and practice settings

The healthcare industry is among the most carbon-intensive service sectors in the industrialized world<sup>3</sup> with the U.S. healthcare system being responsible for about a quarter of all global healthcare greenhouse gas emissions.<sup>4</sup> The U.S. healthcare system contributes anywhere from 8-10%<sup>5</sup> to our nation's total greenhouse gases. With numerous health sector leaders voluntarily pledging to reduce greenhouse gas emissions, the federal government must go a step further and require decarbonization efforts throughout

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<sup>1</sup> World Health Organization (2022). Climate Change. [https://www.who.int/health-topics/climate-change#tab=tab\\_1](https://www.who.int/health-topics/climate-change#tab=tab_1)

<sup>2</sup> Environmental Protection Agency. (2021, December 2). Understanding the Connections Between Climate Change and Human Health. <https://www.epa.gov/climate-indicators/understanding-connections-between-climate-change-and-human-health>

<sup>3</sup> Eckelman, M.J., Huang, K., Lagasse, R., Senay, E., Dubrow, D., J.D. Sherman (2022, December). Health Care Pollution And Public Health Damage In The United States: An Update. *Health Affairs*, 39(12). <https://www.healthaffairs.org/doi/10.1377/hlthaff.2020.01247>

<sup>4</sup> ibid

<sup>5</sup> Seervai, S., Gustafsson, L., Abrams, M.K. (2022, April 19). How the U.S. Health Care System Contributes to Climate Change. <https://www.commonwealthfund.org/publications/explainer/2022/apr/how-us-health-care-system-contributes-climate-change>

the health care sector. Voluntary pledges are beneficial but insufficient. Requirements to reduce such emissions must be in place.

- Require a whole government approach to addressing the climate crisis

Nurses work in complex interdisciplinary environments, and a federal response to climate change will require a similar interdisciplinary approach. In order to address climate change, communication, planning and collaboration must be undertaken using a whole government approach. Rather than traditional siloed practices, a comprehensive response to climate change must involve all agencies of the federal government with mechanisms for cross-department and interdisciplinary collaboration efforts.

- Promote climate health education for nurses to prepare for climate related events

Climate change and its health impacts, along with emergency preparedness training, must be taught in all pre-licensure nursing programs. Throughout the COVID-19 pandemic, we have seen that nurses are critical frontline workers in providing an effective emergency response system. Therefore, education on climate change and its impacts on human health is critical in all pre-licensure nursing programs as well as in continuing nursing education offerings. We ask that the Biden Administration promote the need for climate education by enlisting the Department of Health and Human Services to work with nursing and nursing education leaders nationwide in generating climate health curricula and guidelines for nurses and front-line workers.

- Support federal dollars to research climate change and health

Funding needs are driven by data. Federal agencies, including the National Institute of Nursing Research and the National Institute of Environmental Health Sciences, must support a new trajectory of nursing research regarding health and climate change to advance the science and further inform policy change.

Signed:

Alliance of Nurses for Healthy Environments  
Executive Director Katie Huffling, DNP, RN, CNM, FAAN

National Association of Hispanic Nurses  
President Adrianna Nava, PhD, MPA, MSN, RN

National Association of Nurse Practitioners in Women's Health  
CEO Heather Maurer, MA, CAR

National League for Nursing  
President & CEO Beverly Malone, PhD, RN, FAAN

National Association of Pediatric Nurse Practitioners  
President Jennifer Sonney, PhD, ARNP, PPCNP-BC, FAANP

Council of Public Health Nursing Organizations  
Chairperson Lisa A. Campbell, DNP, RN, PHNA-BC, FAAN

Nurses for Sexual and Reproductive Health  
Director of Education Anna Brown, BSN, RN

American Society of PeriAnesthesia Nurses (ASPAN)  
ASPAN President Connie Hardy Tabet MSN RN CPAN CAPA FASPAN

University of Minnesota School of Nursing  
Dean of the School of Nursing Dr. Connie Delaney Ph.D., RN, FAAN, FACMI

Emory University Nell Hodgson Woodruff School of Nursing  
Dean and Professor Linda A. McCauley RN, PhD, FAAN, FAAOHN

Illinois Association of School Nurses  
President Gloria E. Barrera, MSN, RN, PEL-CSN

Texas Christian University, TCU Nursing  
Associate Dean for Nursing & Nurse Anesthesia Suzy Lockwood PhD, MSN, RN, OCN, FAAN

MGH Institute of Health Professions Center for Climate Change, Climate Justice, and Health  
Distinguished Teaching Professor and Director  
Patrice K. Nicholas, DNSc, DHL(Hon), MPH, MS, RN, NP-C, FAAN  
Distinguished Teaching Associate Professor and Associate Director Suellen Breakey, PhD, RN

Villanova University Fitzpatrick College of Nursing  
Connelly Endowed Dean and Professor Donna S. Havens, PhD, RN, FAAN

Association of Community Health Nursing Educators  
President 2022-24 Krista Jones DNP, MSN, RN, PHNA-BC, ELAN Fellow

Philippine Nurses Association of America, Cincinnati - Northern Kentucky Chapter  
President Janet Paguigan, MSN-Ed, RN, CNE

Society of Latinx Nurses  
President and Co-Founder Adrian Espinosa, MPH, MS, RN, PHN, FNP-BC

American College of Nurse-Midwives  
CEO Katrina H. Holland

Rush University College of Nursing  
Dean Christine M Kennedy RN PhD FAAN

National Association of School Nurses  
Director of Government Affairs Piper Largent

National Student Nurses' Association, Inc.  
Executive Director Diane J. Mancino, EdD, RN, CAE, FAAN

California Nurses for Environmental Health & Justice  
Leadership Council Member Karen G. Duderstadt PhD, RN, NP

Philippine Nurses Association of America, Inc  
President Gloria Lamela Beriones, PhD, RN, NEA-BC

Kappa Chapter Incorporated, Chi Eta Phi Incorporated  
President Joan Mitchell CRNA, MSA, BSN, RN

Arizona Nurses Association  
CEO Dawna Cato PhD, RN, NPD-BC

National Association of Neonatal Nurses  
President Gail A. Bagwell DNP, APRN, CNS

SEIU Local 1991  
President Vicki Gonzalez, RN  
Climate Committee Co-Chair Caitlin MacLaren, RN

New Hampshire Nurses Association, Commission on Planetary Health  
Co-Chair Kaitlynn Liset, MS, RN, CNL

Association of Women's Health, Obstetric and Neonatal Nurses  
Chief Executive Officer Jonathan Webb, MPH, MBA

American Public Health Association, Public Health Nursing Section  
Chair Public Health Nursing Section Joyce K. Edmonds, PhD, MPH, RN, PHCNS-BC

Rural Nurse Organization  
President Dayle Sharp PhD, DNP, McPH, FNP-BC, APRN

AFT Nurses and Health Professionals  
Senior Director Kelly D. Nedrow

National Coalition of Ethnic Minority Nurse Associations  
President Debra A. Toney, PhD, RN, FAAN

The National Black Nurses Association, Inc  
President/CEO Dr. Martha A. Dawson, DNP, MSN, RN, FAAN, FACHE

ANA-VT, American Nurses Association, Vermont  
President Jessilyn Dolan, RN

Delaware Nurses Association  
Executive Director Christopher E. Otto, MSN, RN, PCCN, CCRN

Nevada Nurses Association  
Executive Director Starla Gallagher BAS, NREMT

American Association of Occupational Health Nurses  
President Kimberly Olszewski, DNP, CRNP, COHN-S/CM, FAAOHN, FAAN

Georgia Nurses Association/ Georgia Nurses Foundation  
CEO Matt Caseman

Michigan Nurses Association  
President Jamie L. Brown, BSN, RN, CNRN

Pennsylvania State Nurses Association  
Chief Executive Officer Wayne E Reich, Jr, MSN, MBA, RN

Wisconsin Nurses Association  
Executive Director Gina Dennik-Champion, RN, MSN, MSHA